

INTERNATIONAL SEARCH REPORT

 Inter-
 nal Application No
 PC 02/00382

 A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04M17/00 H04L29/06 G06F17/60

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 H04M H04L G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 453 982 A (PENNINGTON RICKY J ET AL) 26 September 1995 (1995-09-26)	1,20
Y	abstract column 2, line 24 - line 39 column 3, line 1 - line 36 column 4, line 36 -column 5, line 26 column 6, line 10 -column 7, line 49 ---	2-19,21, 22
X	WO 98 56160 A (ERICSSON TELEFON AB L M) 10 December 1998 (1998-12-10)	1,20
Y	abstract page 5, line 11 - line 27 page 6, line 12 -page 7, line 4 page 8, line 27 -page 9, line 9 page 10, line 21 -page 11, line 15 page 12, line 20 -page 13, line 5 ---	2-19,21, 22
	--- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

24 September 2002

Date of mailing of the international search report

08/10/2002

Name and mailing address of the ISA

 European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Kahl, M

INTERNATIONAL SEARCH REPORT

International Application No
PC 02/00382

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 6 151 688 A (MURPHY DAVID ET AL) 21 November 2000 (2000-11-21) abstract column 3, line 41 - line 62 column 8, line 31 - column 9, line 6 column 15, line 21 - column 16, line 17 -----</p>	1, 20

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/02/00382

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5453982	A	26-09-1995	NONE
WO 9856160	A	10-12-1998	US 5995822 A 30-11-1999
		AU 736559 B2	02-08-2001
		AU 8043998 A	21-12-1998
		BR 9809719 A	11-07-2000
		CN 1259258 T	05-07-2000
		EP 0986890 A1	22-03-2000
		WO 9856160 A1	10-12-1998
		TR 9902867 T2	21-04-2000
		TW 390086 B	11-05-2000
US 6151688	A	21-11-2000	US 6338112 B1 08-01-2002
		US 6353898 B1	05-03-2002